

Insulated enclosure, smooth sides, HxWxD=375x375x275mm



Part no. C144X-250
038884
EL Number 2502196
(Norway)

General specifications		
Product name		Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
Part no.		C144X-250
EAN		4015080388845
Product Length/Depth		275 millimetre
Product height		375 millimetre
Product width		375 millimetre
Product weight		3.747 kilogram
Compliances		RoHS conform
Certifications		EN 62208 EN 61439-2
Product Tradename		xEffect Ci
Product Type		Enclosures
Product Sub Type		Switch- & Controlgear Enclosure
Delivery program		
Type		Basic enclosure Individual enclosures xEnergy Safety Ci
Color		Gray Light gray (RAL 7035, base) Transparent, smoky gray (cover)
Nominal current		1600 A
Technical Data - Electrical		
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Stand-alone device
Base type		Plain
Surface finishing		Resistant to corrosion
Surface protection		Other
Surface treatment		Resistant to corrosion
Enclosure material		Plastic
Width in number of modular spacings		15
Mounting depth with mounting plate		250 mm
Mounting method		Surface mounted (plaster)
Material		Glass-fibre reinforced polycarbonate (base) Non-reinforced polycarbonate (cover) Halogen free
Degree of protection		Other IP65 IK10
Number of conduit inlets		0
Number of modules		1
Number of openings (flange plates)		0
Number of rows		0
Built-in depth		250 mm
Internal depth		250 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Optional None Transparent
Plate thickness (cabinet)		9 mm
Plate thickness (cover/door)		6 mm

Saline spray resistance		IEC 60068-2-11
Temperature-rise verification as per IEC 60890		
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)		29 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		59 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)		34 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)		32 W
Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)		69 W
Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)		64 W
Design verification as per IEC/EN 61439 - technical data		
Temperature resistance		Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 80 °C (gasket) Temperature resistant: 85 °C (enclosure bolt)
Ambient operating temperature details		-40 °C - 80 °C
Design verification as per IEC/EN 61439		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Lower part: 960 °C / cover: 850 °C
10.2.4 Resistance to ultra-violet (UV) radiation		Not relevant to indoor installations.
10.2.5 Lifting		20 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.
10.2.6 Mechanical impact		IK10
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of assemblies		IP65
10.4 Clearances and creepage distances		Is the panel builder's responsibility.
10.5 Protection against electric shock		Protection class 2, therefore not applicable.
10.6 Incorporation of switching devices and components		Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength		U _i = 1000 V AC
10.9.3 Impulse withstand voltage		8 kV
10.9.4 Testing of enclosures made of insulating material		Meets the product standard's requirements.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility.
10.13 Mechanical function		Meets the product standard's requirements.
Additional information		
Features		UV resistance beneath protective shield Cover with overpressure release
Flammability characteristics (UL)		V1 (base) (UL94) V2 (cover) (UL94)
Protection class		II
RAL-number		7035
Special features		Smooth side plates, without knockouts Sealable cover fasteners Include fixing straps for wall mounting
Suitable for		Outdoor use Lightning protection

Technical data ETIM 9.0

Distribution boards (EG000023) / Empty cabinet (EC000058)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Empty cabinet (small distribution board) (ecl@ss13-27-14-24-08 [ACN385016])		
Mounting method		Surface mounted
Type of covering		Optional
Cover model		Closed
Type of door		None
Transparent cover/door		Yes

With lock		No
Nominal current (In)	A	1600
Height	mm	375
Width	mm	375
Depth	mm	275
Built-in depth	mm	250
Inner depth	mm	250
Material plate thickness cabinet	mm	9
Material plate thickness door/cover	mm	6
Colour		Grey
RAL-number		7035
Number of modules		1
Number of rows		0
Width in number of modular spacings		15
Number of openings for flange plates		0
Extension possible		No
Number of conduit inlets		0
Housing material		Plastic
Surface protection		Other
With mounting plate		No
Suitable for outdoor use		Yes
Suitable for lightning protection		Yes
Degree of protection (IP)		Other
Degree of protection (NEMA)		Other
Protection class		II
Impact strength		Other
Circuit integrity		Other
Cover with overpressure release		Yes